

Title (en)

Electronic device having ferroelectric memory.

Title (de)

Elektronische Anordnung mit einem ferroelektrischen Speicher.

Title (fr)

Dispositif électronique ayant une mémoire ferroélectrique.

Publication

EP 0620555 A3 19970305 (EN)

Application

EP 94105711 A 19940413

Priority

JP 8644193 A 19930413

Abstract (en)

[origin: EP0620555A2] An electronic device maintains data utilizing a ferroelectric memory, not requiring a backup power source voltage. Data such as schedule data and telephone number data is stored in a ferroelectric RAM (16) which switches between a dynamic mode and a nonvolatile mode. When a clock mode is designated by a "CLK" key (12a), a memory control circuit (17) causes the ferroelectric RAM (16) to be switched to the nonvolatile mode to maintain the data stored therein. When a schedule mode or a telephone mode is designated by means of a "Sch" key (12b) or a "Tel" key (12c), the ferroelectric RAM (16) is switched to the nonvolatile mode to write/read data therein/therefrom. When it is detected that a battery voltage is lowered or the battery is removed from the electronic device, the ferroelectric RAM (16) is switched to the nonvolatile mode to protect the stored data. <IMAGE>

IPC 1-7

G11C 11/22

IPC 8 full level

G11C 5/00 (2006.01); **G11C 11/22** (2006.01); **G11C 11/405** (2006.01); **G11C 14/00** (2006.01)

CPC (source: EP KR US)

G11C 5/00 (2013.01 - EP US); **G11C 7/1045** (2013.01 - EP US); **G11C 11/22** (2013.01 - EP KR US); **G11C 14/00** (2013.01 - EP US)

Citation (search report)

- [A] EP 0530928 A2 19930310 - RAMTRON CORP [US]
- [A] DE 4119248 A1 19920102 - SEIKO INSTR INC [JP]
- [A] "HP100LX USER'S GUIDE", March 1993, HEWLETT-PACKARD CO., CORVALLIS,USA, XP002021386

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EP3316383A4; US11139511B2

Designated contracting state (EPC)

DE FR GB NL

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EP 0620555 A2 19941019; **EP 0620555 A3 19970305**; **EP 0620555 B1 20000726**; CN 1037633 C 19980304; CN 1109186 A 19950927; DE 69425341 D1 20000831; DE 69425341 T2 20001207; HK 1013518 A1 19990827; JP H06302179 A 19941028; KR 0151223 B1 19981201; KR 940024596 A 19941118; TW 251358 B 19950711; US 5850231 A 19981215

DOCDB simple family (application)

EP 94105711 A 19940413; CN 94103584 A 19940413; DE 69425341 T 19940413; HK 98114700 A 19981222; JP 8644193 A 19930413; KR 19940007655 A 19940412; TW 83103153 A 19940411; US 65064796 A 19960513